

## ABSTRACT OF THE DISCLOSURE

The invention relates to protected unsaturated alcohol with formula  $(R^1 - O)_m PG$ , wherein  $R^1$  represents a linear, straight-chain aliphatic hydrocarbon group containing one or more double bonds and having 26-30 C-atoms,  $m$  is 1 or 2 and PG, forming an ether group in combination with the -O- of the former primary alcohol, represents a protecting group chosen from the group of substituted methyl ethers, substituted ethyl ethers, (substituted) benzyl ethers and (substituted) silyl ethers with at least one substituent on the Si-atom being not a methyl group, in case  $m=1$ ; and a diol protecting group in case  $m=2$ ; A protected saturated alcohol with formula  $(R^2 - O -)_m PG$ , herein  $R^2$  represents a linear straight-chain alkyl group with 26-30 C-atoms and PG and  $m$  are as defined above; unsaturated alcohols with formula  $R^1 OH$  wherein  $R^1$  represents a linear, straight-chain aliphatic hydrocarbon group containing one, two or three double bonds and having 27 C-atoms, a linear, straight-chain aliphatic hydrocarbon group containing one or more double bonds and having 28 C-atoms with the proviso that when  $R^1$  has one double bond which is between  $C_{18}$  and  $C_{19}$  or between  $C_{19}$  and  $C_{20}$ ,  $R^1 OH$  has the E-configuration, or a linear, straight-chain aliphatic hydrocarbon group containing two or three double bonds and having 26-29 C-atoms. The invention further relates to processes for the preparation of such protected unsaturated alcohols via an organometallic cross coupling reaction, a Wittig reaction via Olefin Cross Metathesis.